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reaction medium to precipitate carbonates or silicates of the mineral filler onto the fibers.

-- 17. (New) Method as claimed in claim 16, wherein the aqueous suspension of cellulose fibers includes sodium hydrogen carbonates.

-- 18. (New) Method as claimed in claim 17, wherein the aqueous suspension of cellulose fibers includes calcium- and/or magnesium-hydrogen carbonates.

-- 19. (New) Method as claimed in either claim 17 or 18, wherein a total alkalimetric titer of the aqueous suspension is between 2 and 30°F.

-- 20. (New) Method as claimed in claim 17 wherein the aqueous suspension comprises between 20 and 1,000 ppm of sodium ions (Na^+).

-- 21. (New) Method as claimed in claim 18, wherein the aqueous suspension contains between 5 and 200 ppm calcium ions (Ca^{2+}) and/or between 5 and 200 ppm magnesium ions (Mg^{2+}).

-- 22. (New) Method as claimed in claim 16, wherein the hydroxide of the mineral filler is a calcium hydroxide.

-- 23. (New) Method as claimed in claim 22, wherein the calcium hydroxide is added in as a concentrated milk or in soluble form.

-- 24. (New) Method as claimed in claim 23, wherein said milk comprises calcium hydroxide particles having a mean diameter of less than 6 microns.

25. (New) Method as claimed in claim 16, wherein following precipitation of the carbonates or silicates of the mineral filler onto the fibers, a gas-containing carbon dioxide is injected into the aqueous solution to neutralize and stabilize the pH of the aqueous suspension.

26. (New) Method as claimed in claim 16, wherein the aqueous suspension derived from the papermaking procedure is based on a bleached or unbleached chemical pulp of paper fibers, on a mechanical pulp, or on a thermomechanical pulp, or on a mixture thereof.

27. (New) A manufacturing process for sheets of paper comprising

(a) providing a manufacturing composition based on water and on a bleached or unbleached chemical pulp of paper fibers, on a mechanical pulp, or on a thermomechanical pulp, or on a mixture thereof, said composition comprising at least alkali metal and/or earth alkali metal ions, and silicate or carbonate and hydrogen carbonate ions,

(b) adding to said composition a hydroxide of a mineral filler to affix said mineral filler onto the paper fibers, and

(c) forming a wet sheet of paper on a papermaking machine from the paper fibers which were precipitate-loaded in suspension and drying said sheet.

28. (New) Process as claimed in claim 27, further comprising